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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Thomas B. Stanford, et al. ) Re: Information Disclosure

Statement

Serial No.: 10/680,937 ) Group: 2856

Filed: October 7, 2003 ) Examiner: not yet assigned

) Our Ref: B-4588NP 620930-1

For: "SENSOR FOR DETECTION OF ENZYME

AND ENZYME DETECTION METHOD..." ) Date: July 22, 2004

Commissioner for Patents P.O. Box 1450 Alexandria VA, 22313-1450

Sir:

In accordance with the Applicants' duty to disclose information which may be material to the examination of this application, the undersigned respectfully requests that the Examiner consider on the merits the documents listed on the enclosed Form PTO-1449 (modified) before issuing the first Office Action on the merits.

Copies of the foreign patent documents and the non-patent publications listed on the enclosed Form PTO-1449 (modified) are enclosed herewith for the Examiner's convenience. Copies of the U.S. patent documents listed on the enclosed Form PTO-1449 (modified) are not enclosed, pursuant to Deputy Commissioner Stephen G. Kunin's Pre OG Notice dated July 11, 2003, with the exception of U.S. Patent Application No. 08/876,992 because this U.S. application has not been published.

It should be noted that the above-identified application may be related by subject matter to the following U.S. Patent Application(s): 08/876,992, filed June 16, 1997; 09/679,428, filed on October 3, 2000 (now U.S. Patent No. 6,730,212 B1); and 10/230,947, filed August 29, 2002 (published as U.S. Patent Application Publication No. 2003/0062263 A1). Pursuant to 37 C.F.R. § 1.56(a) and M.P.E.P. § 2004, paragraph 9, the applicant brings these co-pending applications to the attention of the Examiner. The Examiner should consider this information during the prosecution of the above-identified application. However, citation of these applications does not constitute an admission that the claims of the present application are substantially similar or similar to

those of the applications listed above.

The documents listed on the enclosed Form PTO-1449 (modified) include those that are cited in a PCT International Search Report for PCT Application No. PCT/US01/28717, which corresponds to the above-mentioned U.S. Application No. 09/679,428. Please note that PCT Application No. PCT/US01/28717 involves subject matter that is arguably similar to the subject matter of the above-identified U.S. Application No. 10/680,937. A copy of the PCT International Search Report (4 pages) for PCT Application No. PCT/US01/28717 is enclosed herewith.

The documents listed on the enclosed Form PTO-1449 (modified) also include those that are cited in a PCT International Search Report for PCT Application No. PCT/US02/27676, which corresponds to the above-mentioned U.S. Application No. 10/230,947. Please note that PCT Application No. PCT/US02/27676 involves subject matter that is arguably similar to the subject matter of the above-identified U.S. Application No. 10/680,937. A copy of the PCT International Search Report (4 pages) for PCT Application No. PCT/US02/27676 is enclosed herewith.

Japanese Patent Document No. 05-296960 is not in English. A concise English-language explanation of the relevance of Japanese Patent Document No. 05-296960 can be found in the partial English-language translation that is attached to Japanese Patent Document No. 05-296960. A concise English-language explanation of the relevance of Japanese Patent Document No. 05-296960 can also be found in the enclosed one-page English-language abstract that is attached to Japanese Patent Document No 05-296960.

Japanese Patent Document No. 03-089156 is not in English. A concise English-language explanation of the relevance of Japanese Patent Document No. 03-089156 can be found in the partial English-language translation that is attached to Japanese Patent Document No. 03-089156. A concise English-language explanation of the relevance of Japanese Patent Document No. 03-089156 can

also be found in the enclosed two-page English-language abstract that is attached to Japanese Patent Document No 03-089156.

Japanese Patent Document No. 63-215960 is not in English. A concise English-language explanation of the relevance of Japanese Patent Document No. 63-215960 can be found in the partial English-language translation that is attached to Japanese Patent Document No. 63-215960. A concise English-language explanation of the relevance of Japanese Patent Document No. 63-215960 can also be found in the enclosed one-page English-language abstract that is attached to Japanese Patent Document No 63-215960.

Japanese Patent Document No. 58-176538 is not in English. A concise English-language explanation of the relevance of Japanese Patent Document No. 58-176538 can be found in the enclosed one-page English-language abstract that is attached to Japanese Patent Document No 58-176538. A concise English-language explanation of the relevance of this Japanese-language Patent Document is also set forth below:

Japanese Patent Document No. 58-176538 relates to conductive polymer gas sensors having interdigitated electrodes.

The document "Caractérisation de dépôts adhérents de polypyrrole sur substrats de verre," by F. Faverolle et al., listed on the enclosed form PTO-1449 (modified), is not in the English language. A concise English-language explanation of the relevance of this foreign-language document is set forth below:

"Caractérisation de dépôts adhérents de polypyrrole sur substrats de verre," relates to conductive polymer gas sensors having interdigitated electrodes.

The document *Shinsozai* by N. Oyama et al., listed on the enclosed form PTO-1449 (modified), is not in the English language. A concise English-language explanation of the relevance of this foreign-language document is set forth below:

Shinsozai relates to conductive polymer gas sensors having interdigitated electrodes.

The filing of this Information Disclosure Statement (IDS) shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The Applicants believe that this IDS is being submitted before the issuance of a first Office Action on the merits and before the issuance of a Final Rejection or Notice of Allowance. Therefore, no official fees should be due; and this IDS should be considered on the merits. If this IDS is being submitted after the issuance of the first Office Action on the merits and before the issuance of a Final Rejection or Notice of Allowance, then the Commissioner is authorized to charge Deposit Account No. 12-0415 \$180.00 (or any other required amount), which is the fee set forth in 37 C.F.R. § 1.97(c); and this IDS should be fully considered on the merits, in accordance with 37 C.F.R. § 1.97(d). If this IDS is being submitted after the issuance of a Final Rejection or Notice of Allowance, then the Commissioner is not authorized to charge \$180.00 to Deposit Account No. 12-0415.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

The person making this statement is the practitioner who signs below on the basis of information supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)) and on the basis of information in the practitioner's file.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450", on July 22, 2004 by Shana Morda.

Respectfully submitted,

John Palmer Attorney for Applicant Reg. No. 36,885

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Enclosures: Form PTO-1449 (modified) (10 pages)

Copy of Non-U.S. Patent documents listed on Form PTO-1449 (modified), with the exception of U.S. Patent Application No.

08/876,992

Form PTO-1449 (Modified) Page 1 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937	
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Thomas B. Stanford, et al.		
STATEMENT	October 7, 2003	<i>group</i> 2856	

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
	USSN: 08/876,992		Stanford et al.			6/16/1997
	2003/0062263 A1	4/3/2003	Stanford et al.	204	403.01	8/29/2002
	6,730,212 B1	5/4/2004	Yamagishi et al.	205	777.5	10/3/2000
	5,928,609	7/27/1999	Gibson et al.	422	90	9/06/1995
	5,922,537	7/13/1999	Ewart et al.	435	6	11/08/1996
	5,766,934	6/16/1998	Guiseppi-Elie	435	287.9	10/04/1994
	5,756,879	5/26/1998	Yamagishi et al.	73	28.01	7/25/1996
	5,698,083	12/16/1997	Glass	204	403	8/18/1995
	5,625,139	4/29/1997	Stormbom	73	23.21	10/18/1995
	5,624,605	4/29/1997	Cao et al.	252	500	6/7/1995
	5,607,573	3/4/1997	Miller et al.	205	782.5	3/27/1995
	5,571,401	11/5/1996	Lewis et al.	205	787	2/23/1995
	5,540,862	7/30/1996	Cao et al.	252	500	3/18/1994
	5,536,473	7/16/1996	Monkman et al.	422	90	1/13/1994
	5,520,852	5/28/1996	Ikkala et al.	252	521	6/8/1994
	5,491,097	2/13/1996	Ribi et al.	436	518	2/28/1994
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	5,372,785	12/13/1994	Johnson et al.	422	90	9/1/1993

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Form PTO-1449 (Modified) Page 2 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937	
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	5,337,018	8/9/1994	Yamagishi	324	693	11/13/1992
	5,331,287	7/19/1994	Yamagishi et al.	324	724	7/31/1992
	5,312,762	5/17/1994	Guiseppi-Elie	436	149	9/13/1991
	5,234,566	8/10/1993	Osman et al.	204	403	8/17/1989
	5,208,301	5/4/1993	Epstein et al.	525	540	5/25/1990
	5,122,237	6/16/1992	Kim et al.	205	107	1/22/1991
	5,086,286	2/4/1992	Yasukawa et al.	338	34	7/26/1990
	5,018,380	5/28/1991	Zupancic et al.	73	23.2	2/6/1989
	4,977,658	12/18/1990	Awano et al.	29	25.01	10/31/1988
	4,907,441	3/13/1990	Shurmer	73	23	8/26/1988
	4,822,465	4/18/1989	Jones et al.	204	192.1	6/30/1987
	4,721,601	1/26/1988	Wrighton et al.	422	68	11/23/1984
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	4,457,161	7/3/1984	Iwanaga et al.	73	23	4/7/1981
	4,444,892	4/24/1984	Malmros	436	528	5/17/1982
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	4,019,367	4/26/1977	Norsworthy	73	23	9/11/1975

EXAMINER	DATE CONSIDERED

Form PTO-1449 (Modified) Page 3 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>u.s. serial no.</b> 10/680,937	
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Thomas B. Stanford, et al.		
STATEMENT	FILING DATE October 7, 2003	<i>GROUP</i> 2856	

FOREIGN PATENT DOCUMENTS

Examiner Initial	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	0 596 973 B1	12/27/1995	EP			
	05-296960 (with 1-page English- language abstract)	11/12/1993	JР			yes (partial)
	03-089156 (with 2-page English- language abstract)	4/15/1991	ЛP			yes (partial)
	63-215960 (with 1-page English- language abstract)	9/8/1988	. JP			yes (partial)
	58-176538 (with 1-page English- language abstract)	10/17/1983	JP .		·	
	2 237 291	5/1/1991	UK		7	
	2 225 008	5/23/1990	UK			

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Form PTO-1449 (Modified) Page 4 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937	
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Thomas B. Stanford, et al.		
STATEMENT	FILING DATE October 7, 2003	<i>group</i> 2856	

### WORLD INTELLECTUAL PROPERTY ORGANIZATION DOCUMENTS

Examiner Initial	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	PCT INTERNATIONAL FILING DATE	TRANSLATION YES/NO
	03/081223 A2	10/02/2003	WO	08/29/2002	
	02/29378	4/11/2002	WO	9/10/2001	
	88/09808	12/15/1988	WO	06/01/1988	
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Form PTO-1449 (Modified) Page 5 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	U.S. SERIAL NO. 10/680,937
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Thomas B. Stanford, et al.	
	FILING DATE October 7, 2003	<b>GROUP</b> 2856

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Form PTO-1449 (Modified) Page 6 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Thomas B. Stanford, et al.	
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EXAMINER	DATE CONSIDERED

Form PTO-1449 (Modified) Page 7 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	U.S. SERIAL NO. 10/680,937
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Thomas B. Stanford, et al.	
	FILING DATE October 7, 2003	<i>GROUP</i> 2856

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EXAMINER	DATE CONSIDERED

Form PTO-1449 (Modified) Page 8 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Thomas B. Stanford, et al.	
STATEMENT	FILING DATE October 7, 2003	<i>GROUP</i> 2856

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EXAMINER	DATE CONSIDERED

Form PTO-1449 (Modified) Page 9 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form PTO-1449 (Modified) Page 10 of 10	<b>ATTY DOCKET NO.</b> B-4588NP 620930-1	<b>U.S. SERIAL NO.</b> 10/680,937
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EXAMINER	DATE CONSIDERED